

FIG. 1

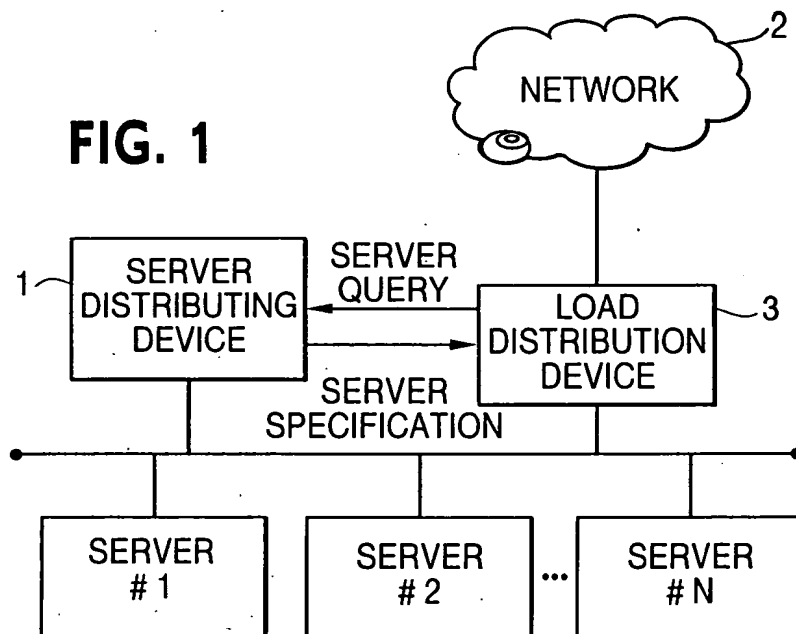


FIG. 2

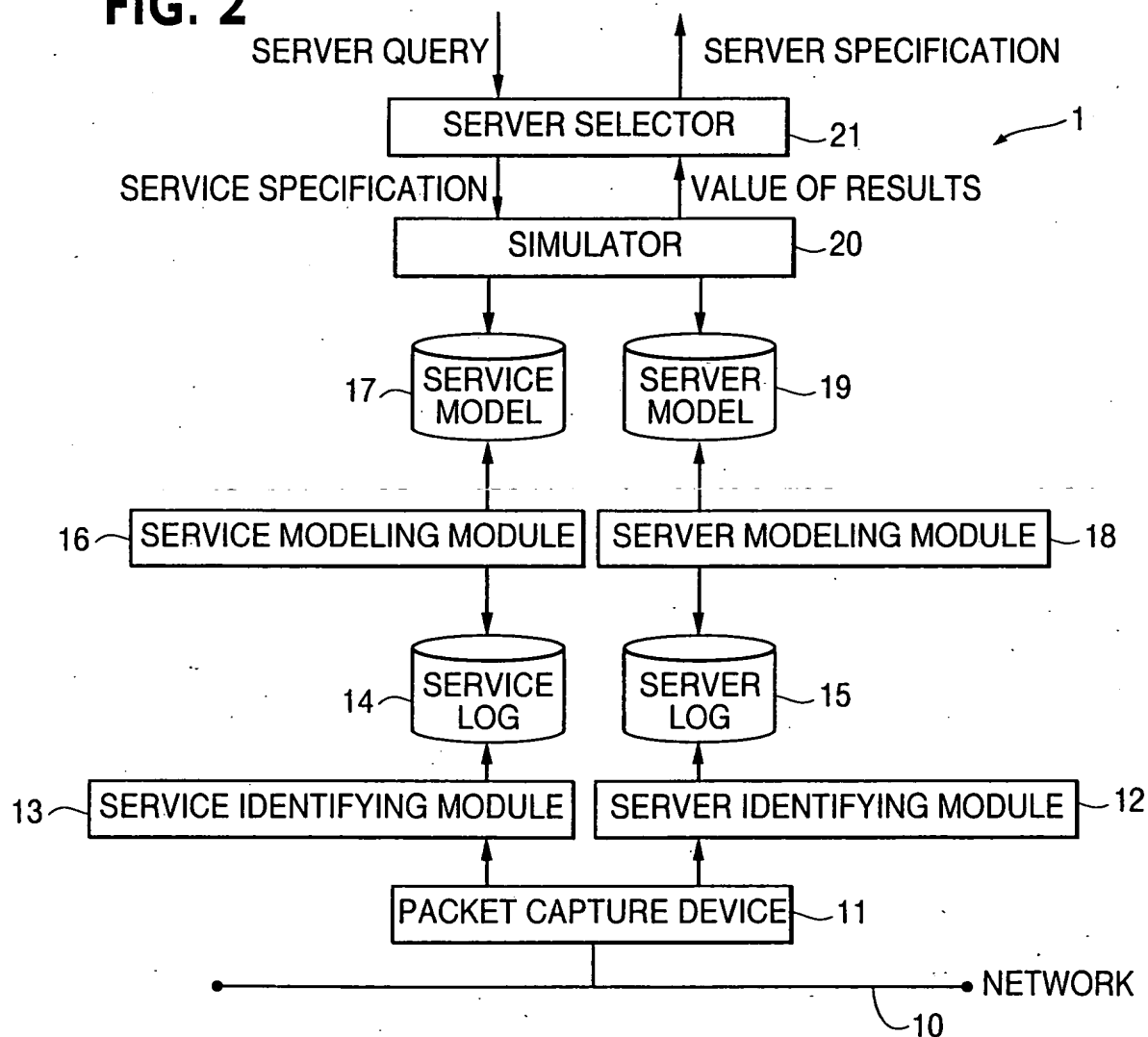
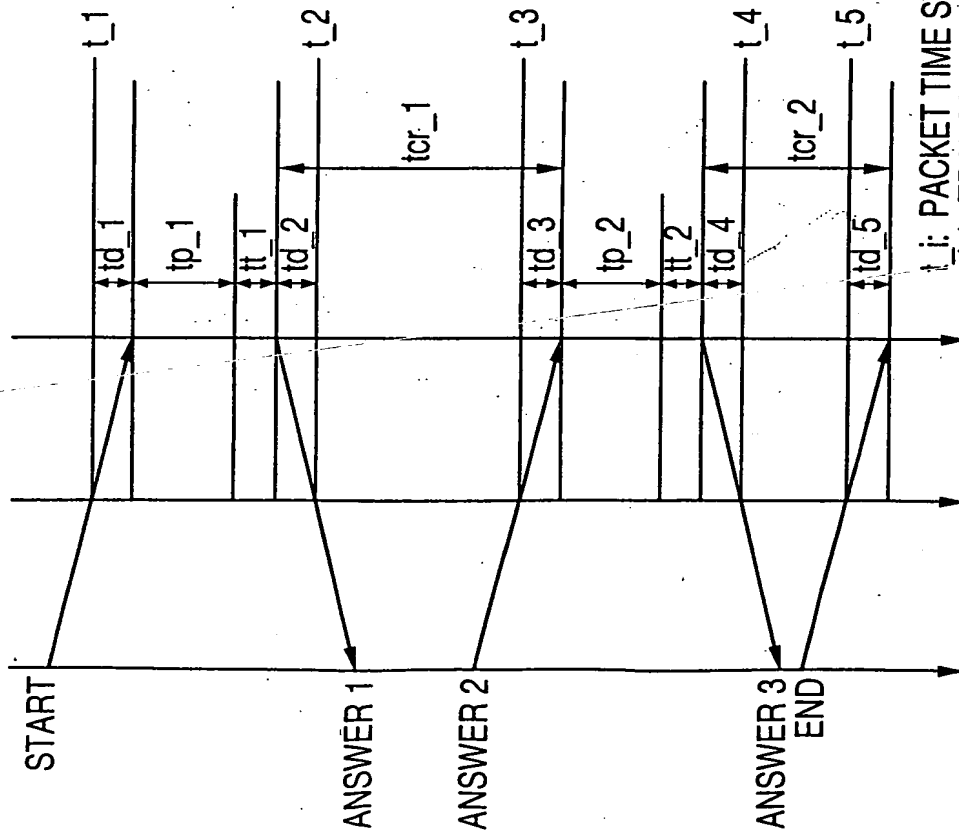


FIG. 3A

CLIENT MONITOR SERVER



1 SESSION EXAMPLE

t_i : PACKET TIME STAMP

td_i : TRANSFER TIME

tt_i : SEND TIME

tp_i : SERVER PROCESSING TIME

tcr_j : CLIENT ANSWER TIME

FIG. 3B

CLIENT MONITOR SERVER

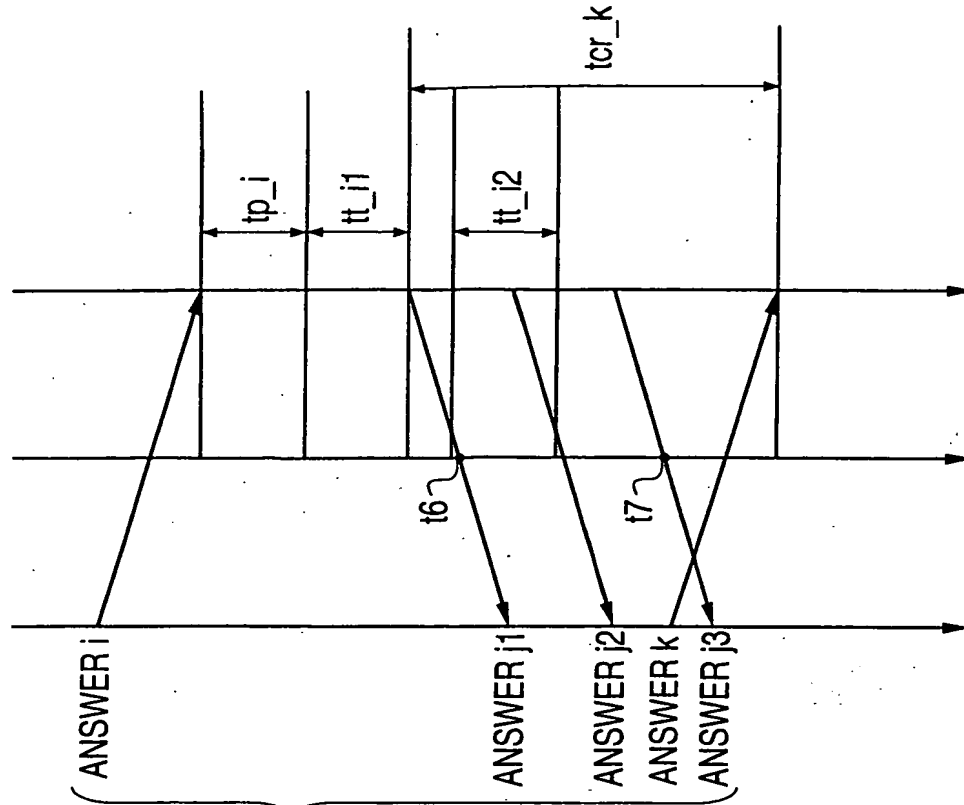
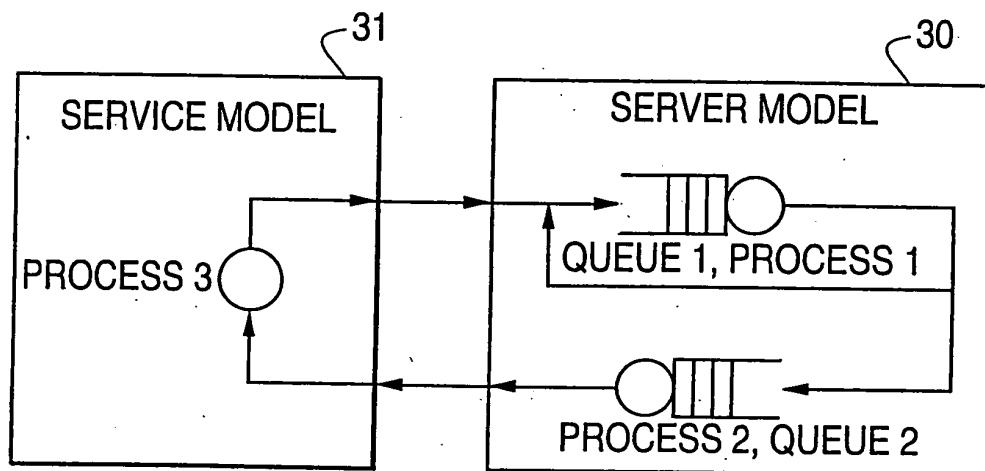


FIG. 4



SIMULATION MODEL (1 SERVICE, 1 SERVER)

FIG. 5

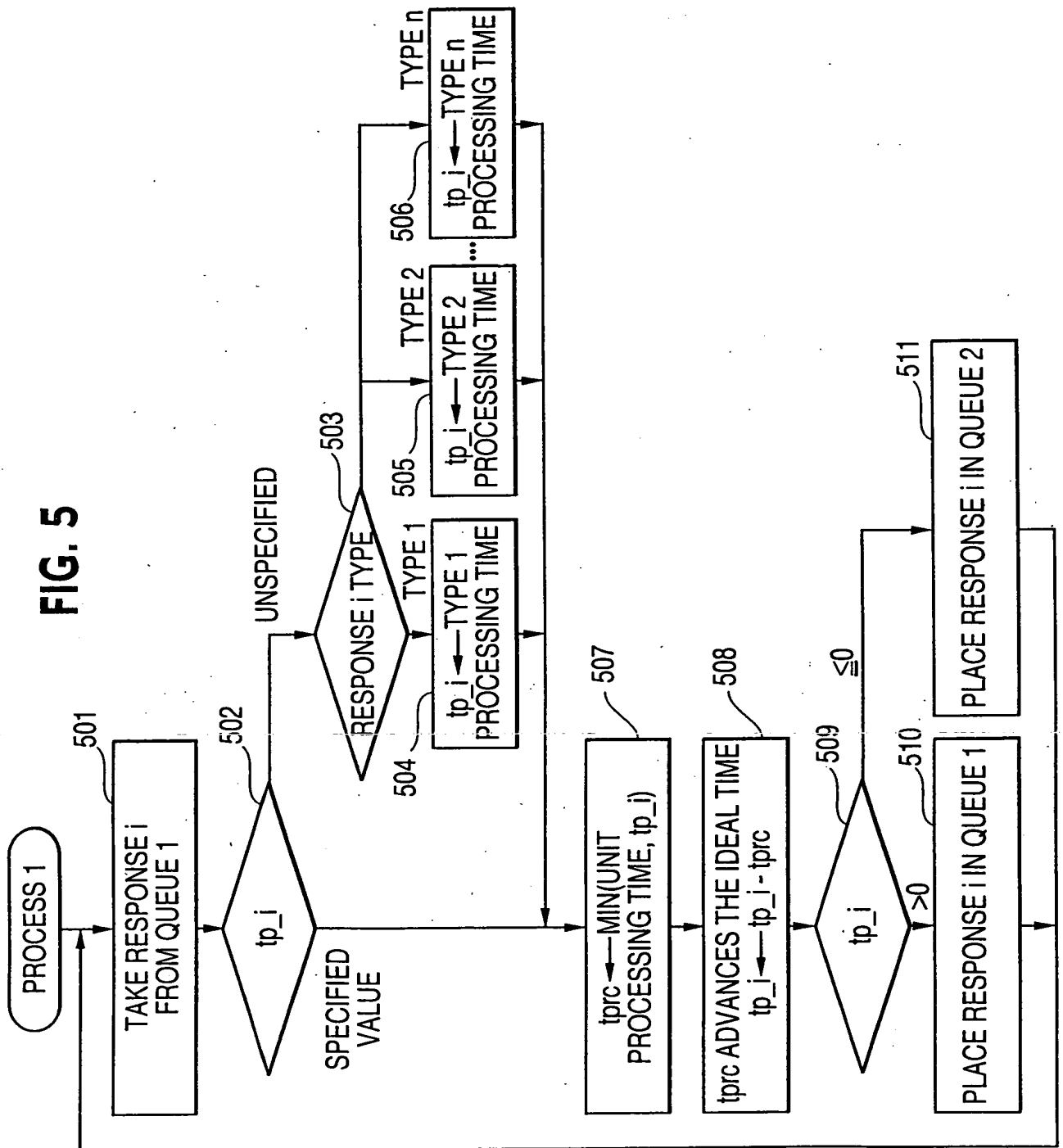
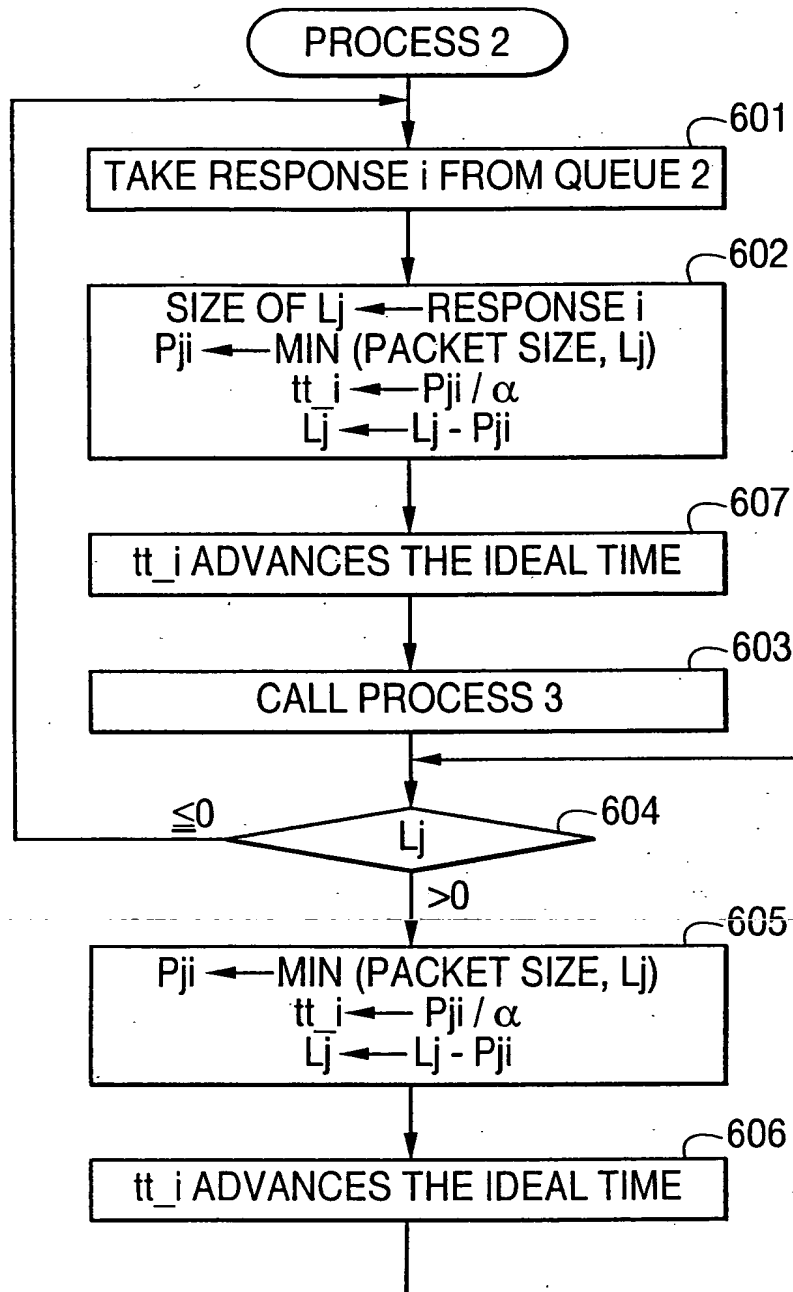


FIG. 6



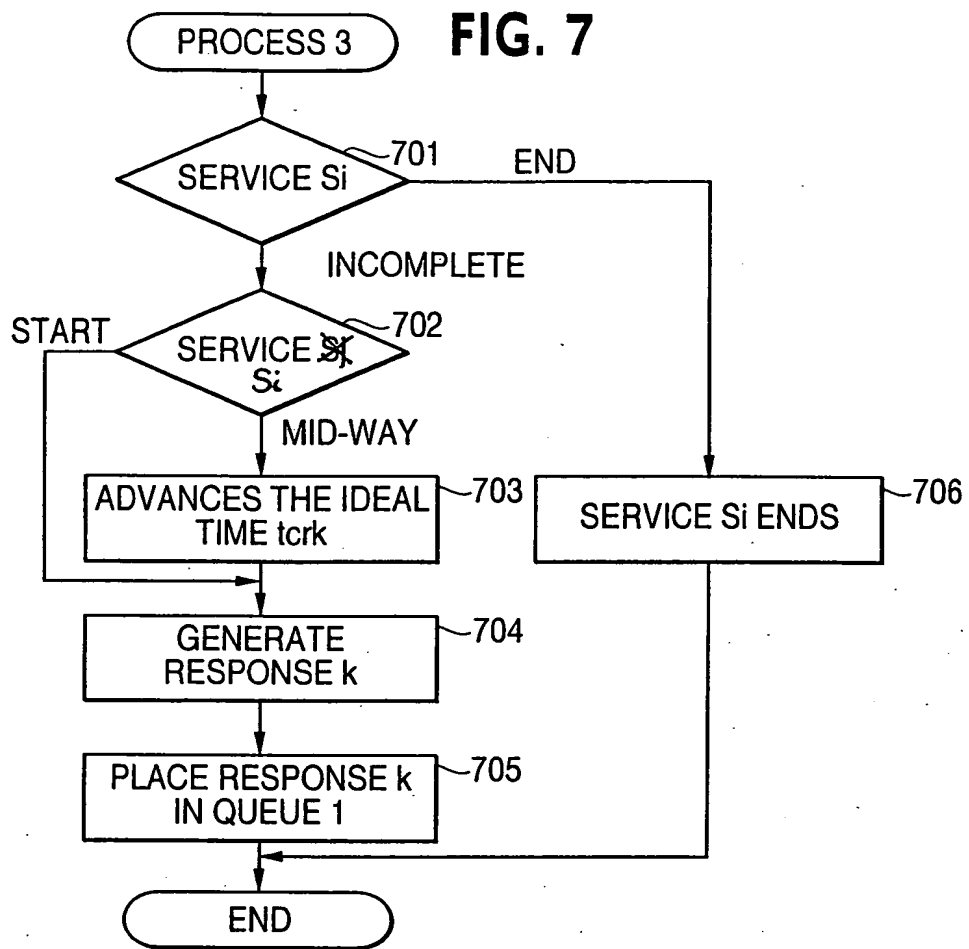


FIG. 8

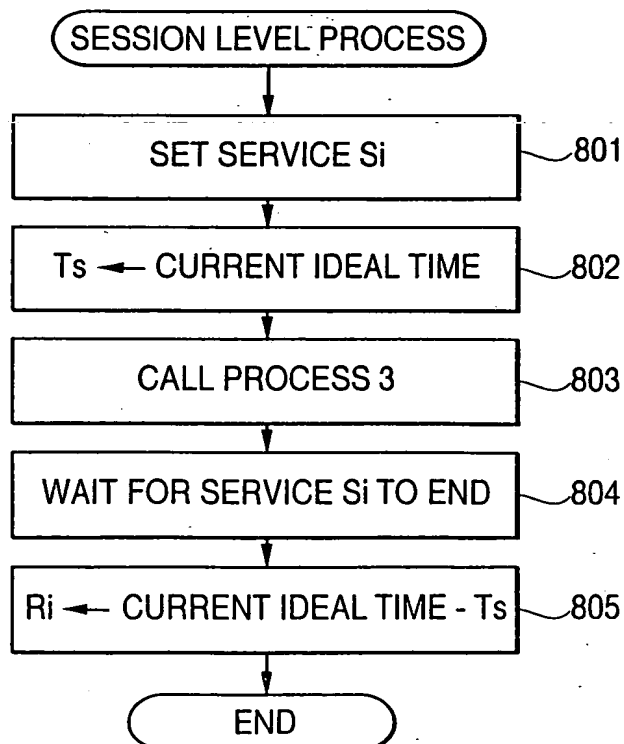


FIG. 9

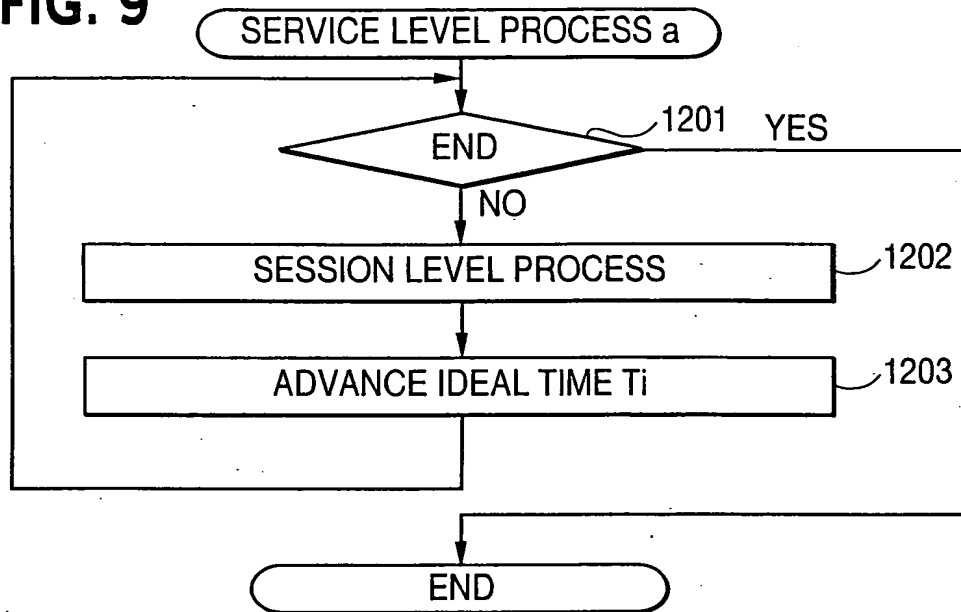


FIG.10

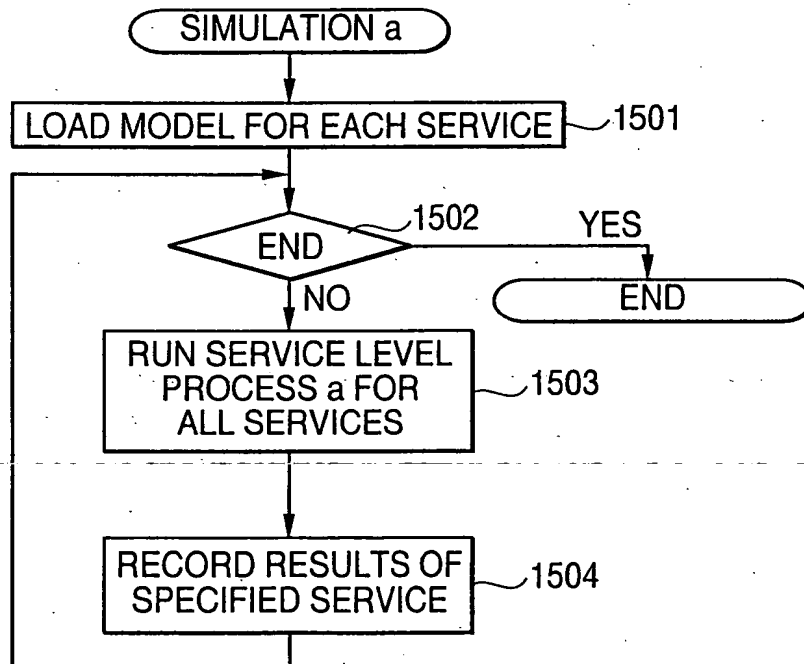


FIG. 11

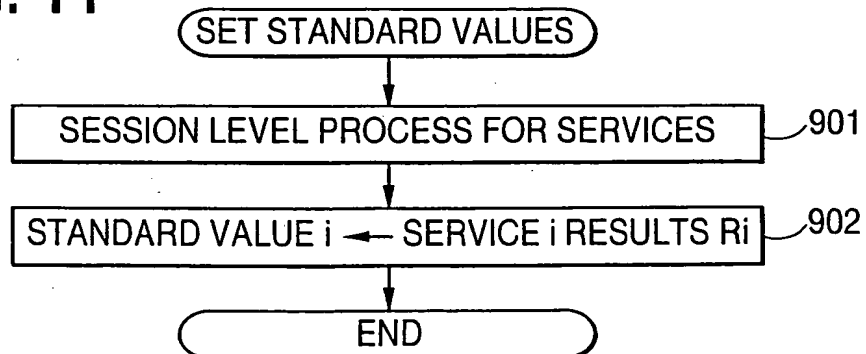
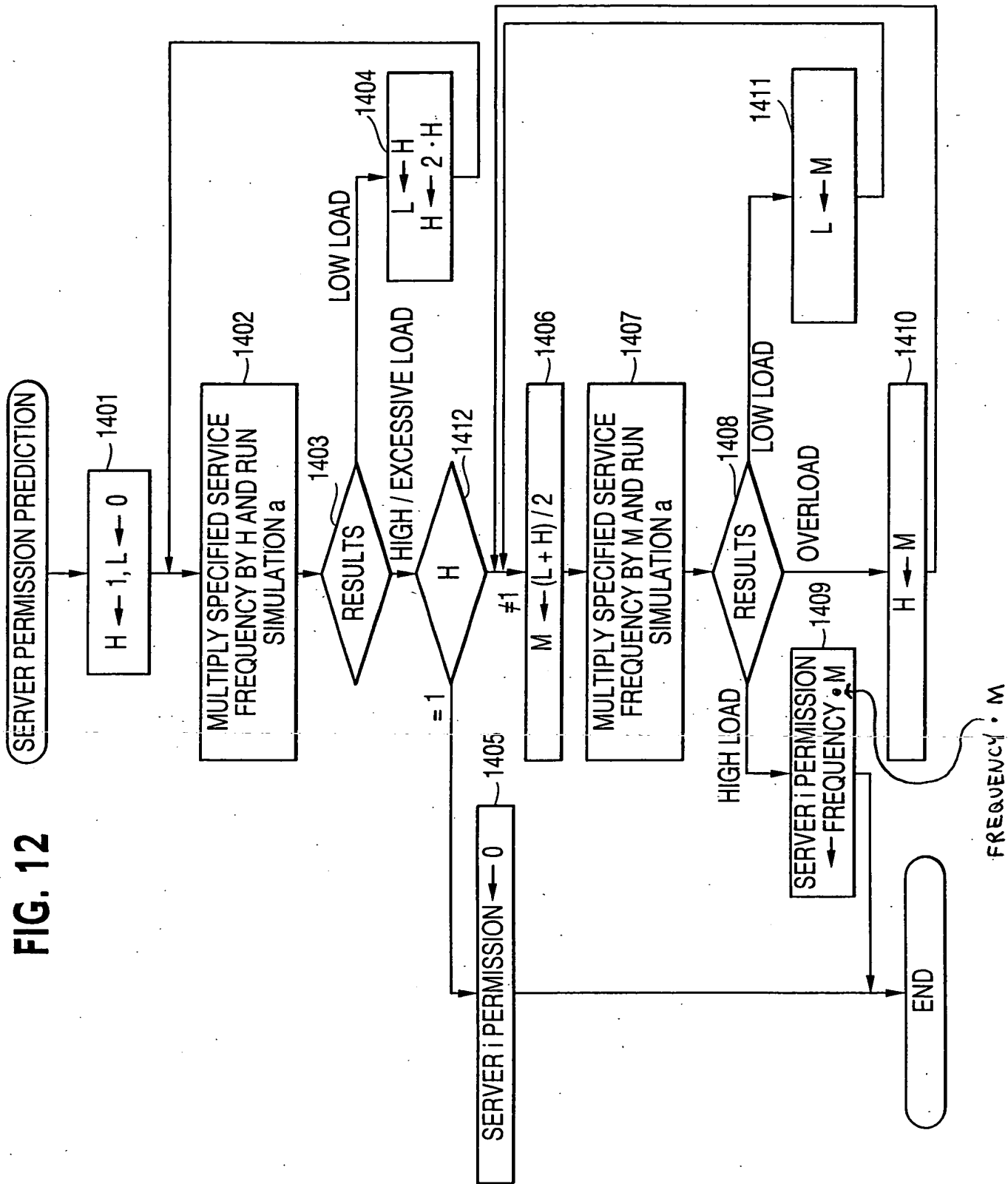


FIG. 12



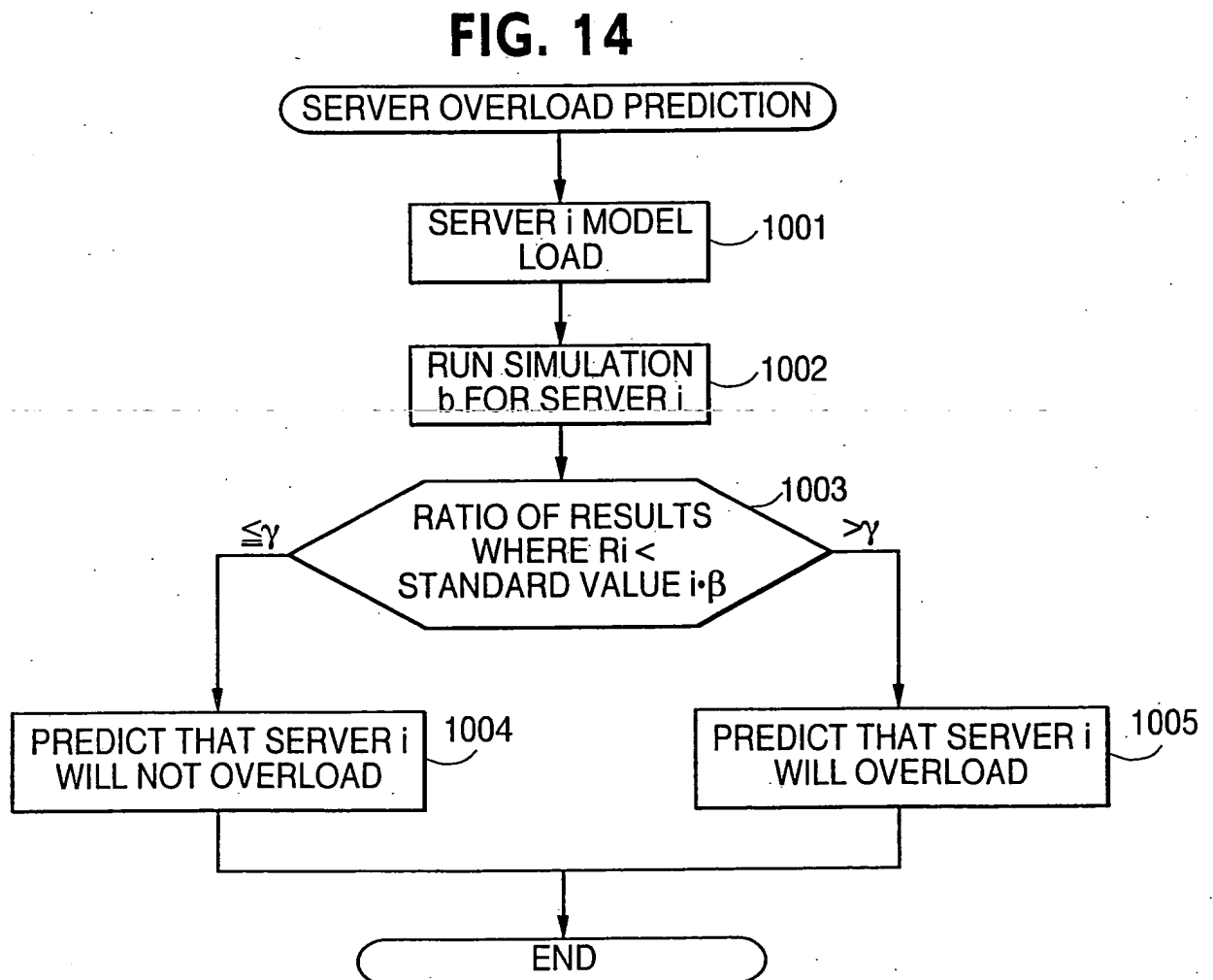
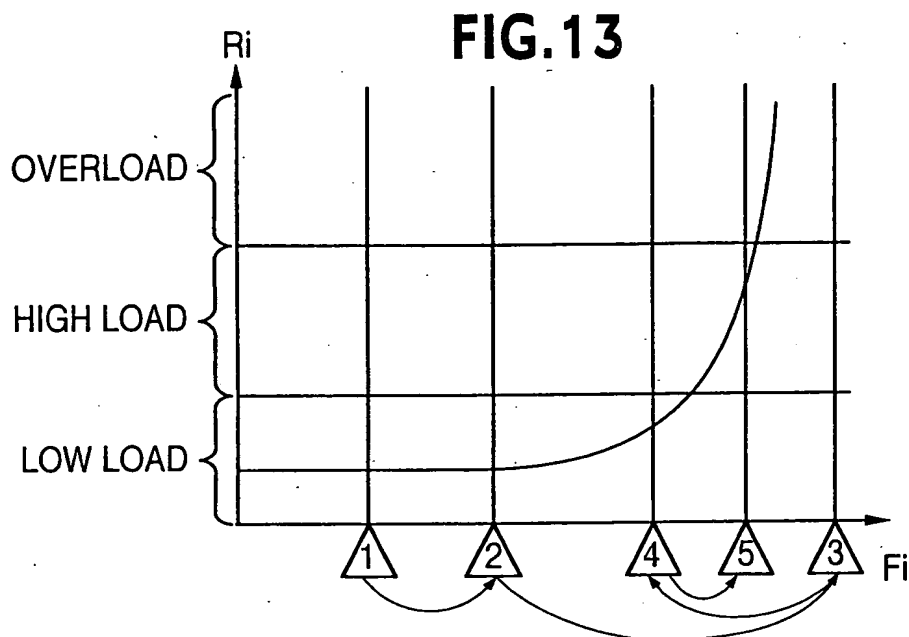


FIG. 15

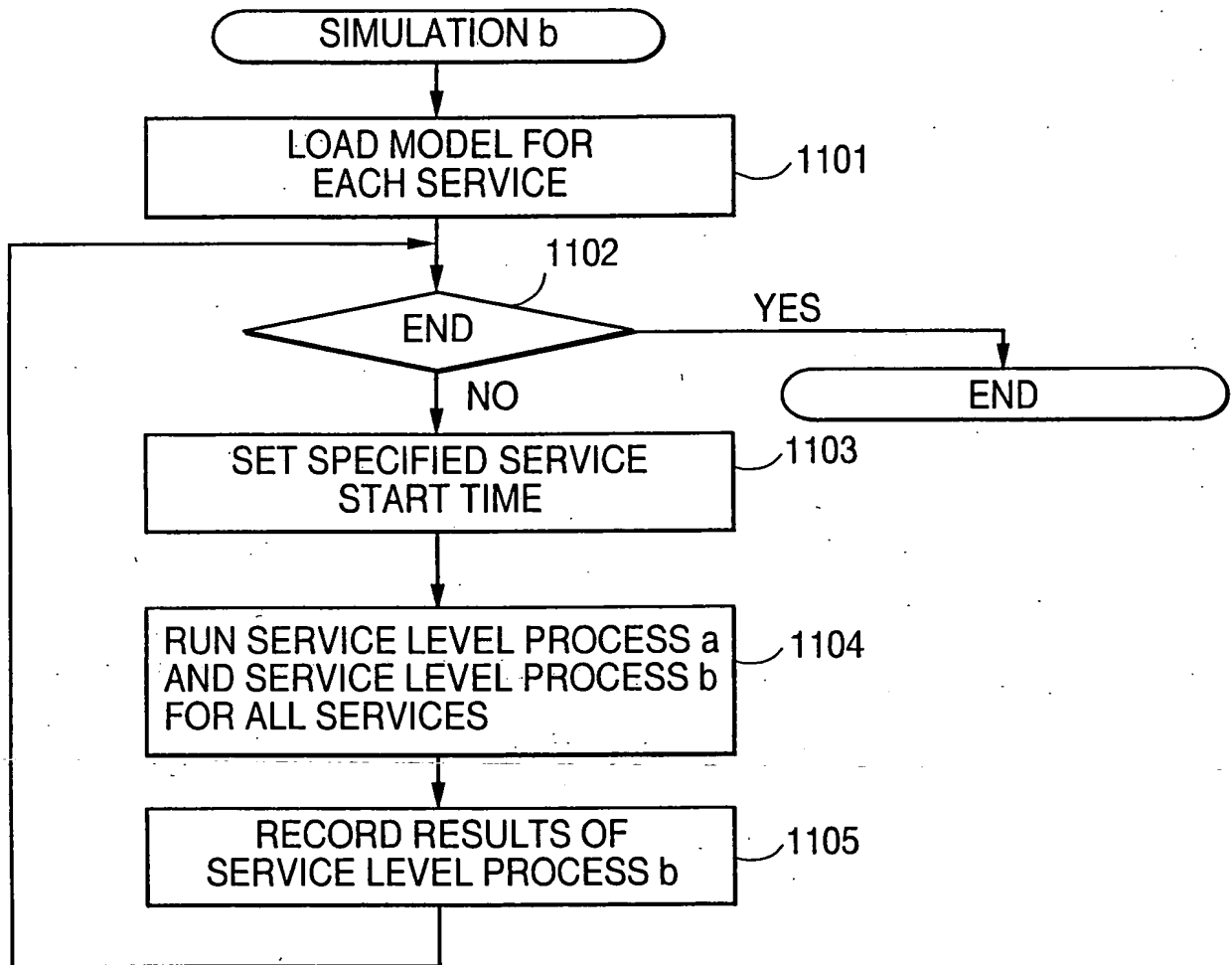


FIG. 16

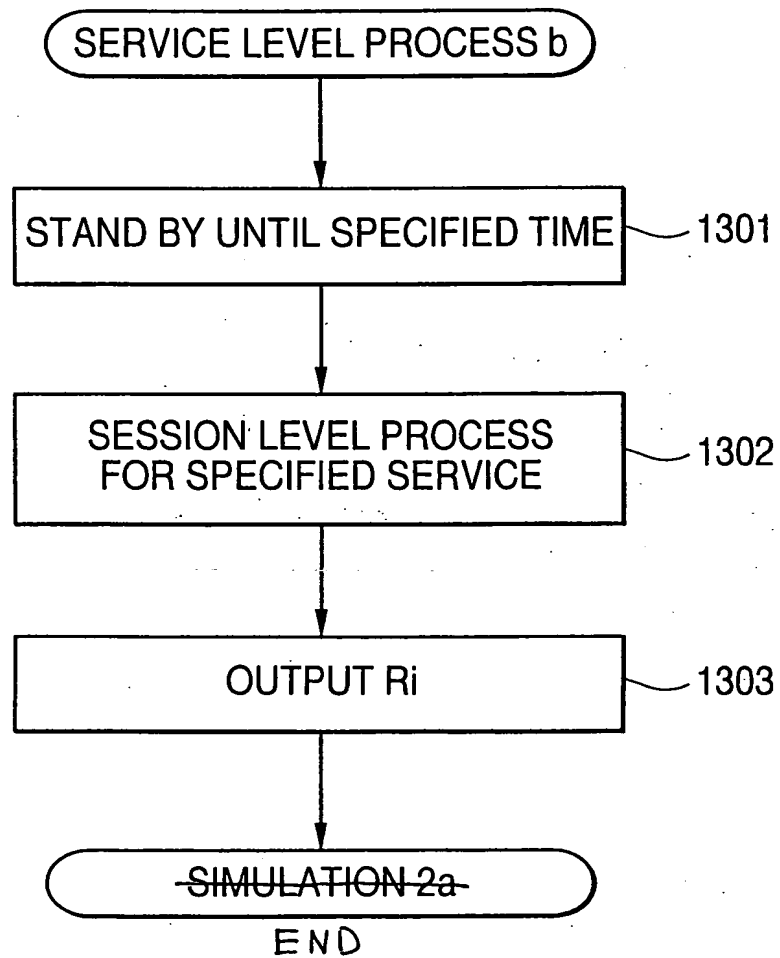


FIG. 17

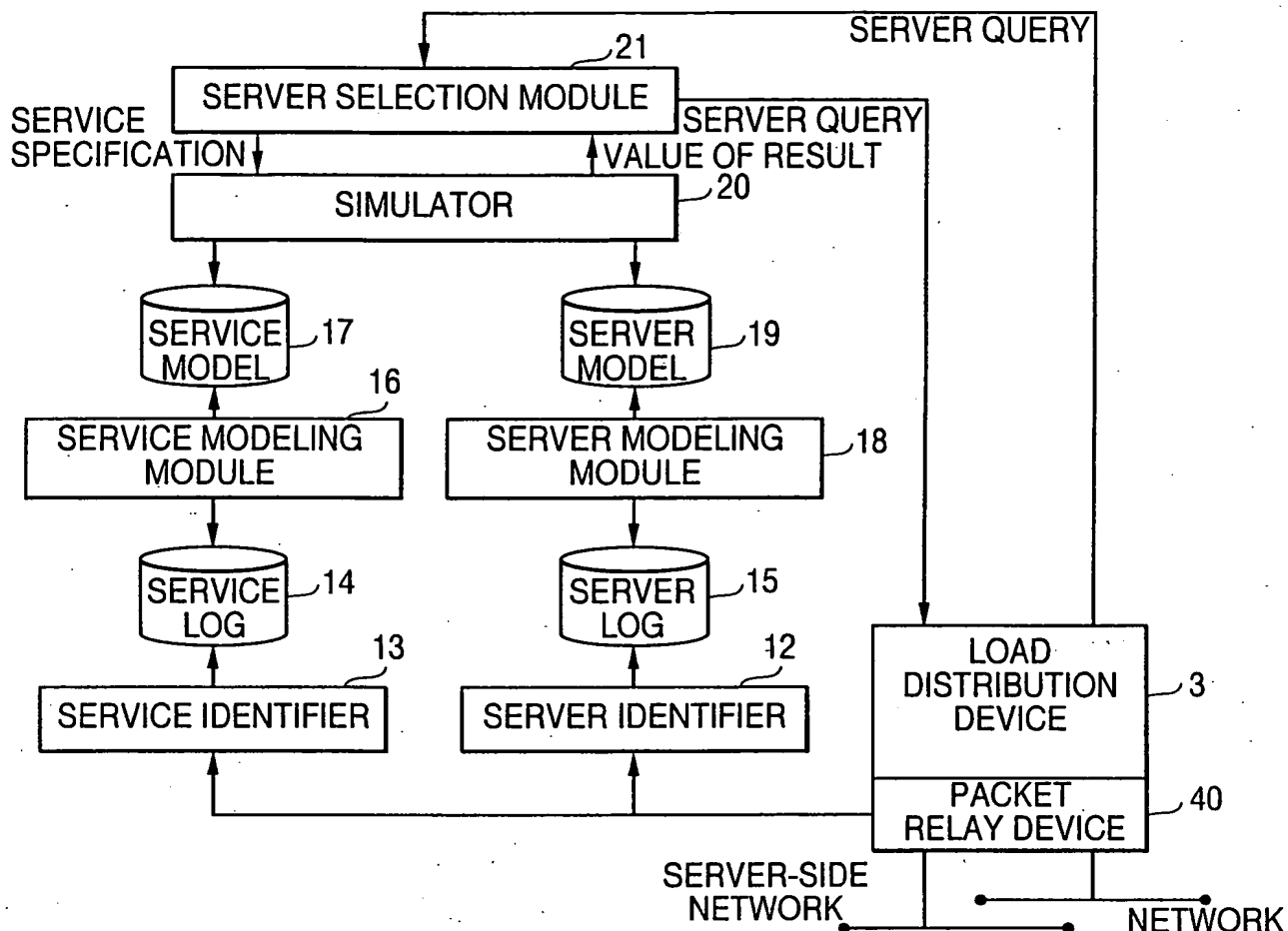


FIG. 18

